**CHE2060 Assignment: Orbital hybridization & VSEPR**

Bleomycin is a drug that binds to DNA and then uses metal atoms to cut the DNA helix. Bleomycin is made by the bacterium *Streptomyces verticillus*. It’s used to treat a variety of cancers.

For each circled atom:

1. Add any missing electron pairs.
2. Determine orbital hybridization.
3. Draw a slot-arrow orbital hybridization diagram.
4. Identify the atom’s electron pair geometry.
5. Identify the atom’s molecular geometry.

